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Mammalian Lung Enzyme: 6-Hydroxymethylbenzo(a)pyrene Synthetase -- Biochemical and Biological Studies.

The studies involve the biochemical and biological properties of the carcinogen, 6-hydroxymethylbenzo(a)pyrene. The mammalian lung synthetase is to be isolated and the role of lipid cofactors on the activity of the enzyme will be determined. The role of cytochrome P-450 independent pathways in transformation of tissue culture cells by polynuclear hydrocarbons will also be studied.

Activation Date: January 1, 1978

Current Grant Level: $12,000.

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